

## ABSTRACT

The invention concerns a pedal body (1) consisting of a globally rectangular horizontal plate (2) provided on its upper surface with means for locking (5, 6, 33) a cyclist's shoe (8) and on one of its longitudinal edges with a case (3) containing a pedal pin designed to be fixed to the free end of a crank (41) of a bottom bracket. The invention is characterized in that the plate (1) is secured to the case (3) such that its upper surface extends beneath the pedal pin (4) along a distance  $\underline{a}$  and the support axis (7) of the shoe on the pedal plate (1) which merges with the front plane passing through the metatarsus of the cyclist's big toe when the latter is pedalling, extends in front of the pedal (14) along a distance  $\underline{b}$  so that the pedal support axis (7) describes a circular curve with center  $O'$  and radius  $r'$  offset from  $\underline{a}$  downwards and from  $\underline{b}$  forward relative to the circular curve of the pedal pin (4) with center  $O$ , where  $O'$  is the axis of the cycle bottom bracket shell with radius  $r$ .

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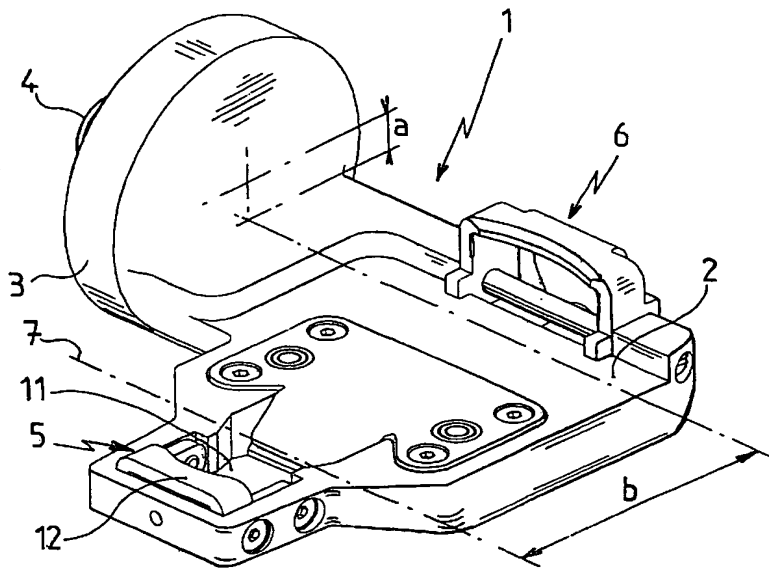
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(54) Titre : PEDALE DE CYCLE



(57) **Abstract:** The invention concerns a pedal body (1) consisting of a globally rectangular horizontal plate (2) provided on its upper surface with means for locking (5, 6, 33) a cyclist's shoe (8) and on one of its longitudinal edges with a case (3) containing a pedal pin designed to be fixed to the free end of a crank (41) of a bottom bracket. The invention is characterized in that the plate (1) is secured to the case (3) such that its upper surface extends beneath the pedal pin (4) along a distance *a* and the support axis (7) of the shoe on the pedal plate (1) which merges with the front plane passing through the metatarsus of the cyclist's big toe when the latter is pedalling, extends in front of the pedal (14) along a distance *b*.

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